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## GENERAL STUDIES (TEST CODE : 707)

|                   |                |                     |            |
|-------------------|----------------|---------------------|------------|
| Name of Candidate | ANUPAM SHUKLA  |                     |            |
| Medium Hindi/Eng. | English        | Registration Number | 14236      |
| Center            | Rajinder Nagar | Date                | 27/10/2015 |

| INDEX TABLE           |               |                | INSTRUCTIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| Q. No.                | Maximum Marks | Marks Obtained |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1                     | 12.5          |                | <div>1. Do furnish the appropriate details in the answer sheet (viz. Name, Registration Number and Test Code).<br/>उत्तर पुस्तिका में सूचनाएं भरना आवश्यक है (नाम, प्रश्न-पत्र कोड, विद्यार्थी क्रमांक आदि)।</div> <div>2. There are TWENTY questions printed in HINDI and ENGLISH. इसमें बीस प्रश्न हैं तथा हिन्दी और अंग्रेजी दोनों में छपे हैं।</div> <div>3. All questions are compulsory. सभी प्रश्न अनिवार्य हैं।</div> <div>4. The number of marks carried by a question/part is indicated against it.<br/>प्रत्येक प्रश्न/भाग के अंक उसके सामने दिए गए हैं।</div> <div>5. Answers must be written in the medium authorized in the Admission Certificate, which must be stated clearly on the cover of this Question-Cum-Answer (QCA) Booklet in the space provided. No marks will be given for answers written in medium other than the authorized one.<br/>प्रश्नों के उत्तर उसी माध्यम में लिखे जाने चाहिए जिसका उल्लेख आपके प्रवेश पत्र में किया गया है और उस माध्यम का स्पष्ट उल्लेख प्रश्न-सह-उत्तर (क्यूसीए) पुस्तिका के मुख्य पृष्ठ पर अंकित निर्दिष्ट स्थान पर किया जाना चाहिए। उल्लिखित माध्यम के अतिरिक्त अन्य किसी माध्यम में लिए गए उत्तर पर कोई अंक नहीं मिलेंगे।</div> <div>6. Word limit in questions, if specified, should be adhered to.<br/>प्रश्नों में शब्द सीमा, जहाँ विनिर्दिष्ट है, का अनुसरण किया जाना चाहिए।</div> <div>7. Any page or portion of the page left blank in the Question-Cum-Answer Booklet must be clearly struck off.<br/>उत्तर पुस्तिका में खाली छोड़ा हुआ पृष्ठ या उसके अंश को स्पष्ट रूप से काटा जाना चाहिए।</div> |
| 2                     | 12.5          |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| Total Marks Obtained: |               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Remarks:              |               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Signature of Examiner |               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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## EVALUATION INDICATORS

1. Alignment Competence
2. Context Competence
3. Content Competence
4. Language Competence
5. Introduction Competence
6. Structure - Presentation Competence
7. Conclusion Competence

Overall Macro Comments / feedback / suggestions on Answer Booklet:

1.

2.

3.

4.

5.

6.

All the Best

All the questions are compulsory and carry 12.5 marks each: NOT MORE THAN 200 WORDS

1. The National Cyber Security Policy (NCSP), 2013 presented an opportunity to understand existing legal limitations before devising a future framework. In this context, enumerate the objectives and strategies of NCSP. Also, discuss the shortcomings and limitations that it has been suffering from.

राष्ट्रीय साइबर सुरक्षा नीति (एन.सी.एस.पी.), 2013 ने भावी रूपरेखा की रचना करने से पूर्व विद्यमान विधिक सीमाओं को समझने का अवसर प्रस्तुत किया है। इस संदर्भ में, एन.सी.एस.पी. के उद्देश्यों और रणनीतियों को गिनाएं। इसके अतिरिक्त उन कमियों और सीमाओं पर चर्चा करें जिससे इस नीति के क्रियान्वयन में बाधा आती रही है।

India did not have a cyber security policy before this national cyber security policy of 2013. With growing threat to the cyber space, a cyber security policy became necessary.

It institutionalizes the structure of cyber security in India. It creates the National Critical information protection centre which will be responsible for protecting information related to defence, security, energy, essential supplies etc.



The policy also envisages co-operation of the private sector in developing cyber secure infrastructure in the country.

The policy also talks about increasing the human resource in cyber space so that a trained set of professionals are created to man the cyber network.

The policy also calls for protecting the privacy of the citizens in cyber space through development of appropriate security profile for the citizens.

The policy also promotes research and development in the cyber world so that new products

are developed which can essentially upgrade the skills in cyber protection.

Although the policy broadly covers most of the dimensions in cyber space but fails to specify any objective criteria or target which it wishes to achieve. Then although the policy talked about securing privacy of citizen but there exist many laws in IT Act and other acts like MCOCA Act which threaten privacy of citizens.



2. Any counter-terrorism strategy can succeed only if sources of terrorist funding are blocked by efficient financial regulation. In light of the statement discuss the need for an efficient legal framework to combat terror financing in India and steps taken by the government in this regard.

कोई भी आतंकवाद विरोधी रणनीति केवल तभी सफल हो सकती है, जब आतंकवादियों के वित्त पोषण के स्रोतों को कुशल वित्तीय विनियमन द्वारा अवरुद्ध कर दिया जाए। इस कथन के आलोक में भारत में आतंक के वित्तपोषण का प्रतिकार करने हेतु कुशल विधिक ढांचे की आवश्यकता और इस संबंध में सरकार द्वारा उठाए गए कदमों पर चर्चा करें।

Terrorist funding is an instrument through which many organisations try to further their motive of spreading terrorist activities.

Although India is a member of financial action task force (FATF) which talks of curbing terrorist funding but we have not developed suitable legal mechanism for the same.

The legal framework will provide statutory backing to our law enforcement agencies to take action against various sources

of terrorist funding like organized crime, drug trafficking, arms trafficking, poaching.

Secondly having a national law on terrorist financing will help to further the case of international co-operation as sovereign laws are given due respect in international bilateral or multilateral treaties as compared to any mere executive order or directive.

Thirdly a national law on terrorist financing will also create awareness among banks, financial institution to comply with it and it will help in better prosecution before court of law.

The government of India has strengthened the Anti-Money

laundering act in the recent years,  
which will help to reduce the  
fund flow towards terrorist activity.

The recent black money  
law which imposes strict stringent  
punishment and fines will also  
act as deterrent to curb  
terrorist financing.



3. What is Bio-Terrorism? Why is it more perilous than acts of conventional terrorism? Is India prepared to deal with bio-terrorism? Examine.

जैव-आतंकवाद क्या है? पारंपरिक आतंकवाद के कृत्यों की तुलना में यह अधिक खतरनाक क्यों है? क्या भारत जैव-आतंकवाद से निपटने के लिए तैयार है? जांच करें।

Bioterrorism is an act of creating fear in the minds of the people by using biological weapons. Here the terrorist use dangerous virus, bacteria and other micro organism which are harmful to human life.

The danger of bioterrorism is more as compared to conventional terrorism because it has the ability to affect a larger population with minimum resource. For example if a dangerous micro organism is placed in the water supply network of a city then it has the potential to cause harm to huge population.

Then, the amount of investment and infrastructure needed to carry out acts of biological terrorism is very less as compared to conventional terrorism.

India has in the past faced acts of conventional terrorism like Mumbai attacks in 26/11; serial blast in Mumbai, Delhi, Lucknow etc. Our security forces have been trained to deal with these acts effectively but we are not very adequately prepared with respect to bio terrorism.

Although Indian authorities have expertise in quarantine facility at major international gateways of

the country like ports, airports,  
border areas but we still lack  
the proficiency in this regard.



4. The formation of the United Liberation Front of Western South East Asia (UNLFW) poses a serious threat to the North-East region. In this context, discuss the implications of coming together of various insurgent groups on the security of North-East region. What strategies should be adopted to counter this threat?

पश्चिमी दक्षिण-पूर्व एशिया संयुक्त मुक्ति मोर्चा (यू.एन.एल.एफ.डब्लू) का गठन उत्तर-पूर्व क्षेत्र के लिए गंभीर खतरा है। इस संदर्भ में उत्तर-पूर्व क्षेत्र की सुरक्षा पर, विभिन्न उग्रवादी गुटों के साथ आने के निहितार्थों पर चर्चा करें। इस खतरे का सामना करने हेतु क्या रणनीति अपनायी जानी चाहिए?

The coming together of various terrorist organisation and insurgents under the collective name of United Liberation front of western south east asia poses security challenge in North east region.

This can be seen by the attacks on military convoy by these insurgents in June 2015 in the Myanmar border with India.

The coming together of NSCN (Iheplang), NSCN (KK), ULFA insurgents etc under one banner provides them collective

strength and voice to carry out insurgent activities against India.

These organisations can collectively pool their resource and augment their organised crime activities to support their objective. For example recruitment is a major source of revenue for these insurgent groups. Coming together under one banner will give them strength to get support from anti-India forces outside the country. The weapons supply route through south east asia and drug trade have already been coming to the knowledge of our security agencies.

The hot pursuit by our security shows India's strong resolve to deal with any attack carried out by these insurgents. We are also getting



Co-operation from government of Myanmar, government of Bhutan in counter terrorism issues.

The land boundary agreement with Bangladesh has paved the way for better co-operation between India and Bangladesh. Our counter-terrorism co-operation is successful if we see the steps taken by Bangladesh against ULFA insurgents in its soil.



5. In the context of increasing need for integration of defence forces, there is a growing demand for appointment of a single chief for the three arms of defence services. In light of the above statement examine the desirability of such an appointment as recommended by various committees.

सुरक्षा बलों के समेकन की बढ़ती आवश्यकता के संदर्भ में, रक्षा सेवाओं की तीनों अंगों के लिए एकल प्रमुख की नियुक्ति की मांग बढ़ती जा रही है। उपरोक्त कथन के आलोक में विभिन्न समितियों की अनुशंसाओं के अनुसार इस प्रकार की नियुक्ति की वांछनीयता की जांच करें।

Various committees have examined the issue of defence preparedness of the country.

Specially after the Kargil war, the Narsimhaiah Committee was appointed to look into the defence sector of the nation. It had called for setting up a unified defence command structure and appointment of a Chief of Defence Staff for the 3 defence forces including the army, navy, and airforce.

Modern warfare, now a days, will not be limited to one single plane

whether it is land, sea or air.

It is going to be an admixture of all these 3 units. At the same time, there also exist growing threat to cyber space of the respective sovereign nations.

These conditions require co-ordination among the defence forces which is difficult if we don't have a unified structure of command.

A little example of this can be seen in internal security problems like Naxalite violence in Central India where we have unified command in place between police, paramilitary and other government organisations. Even, to deal with terrorist activities in J&K we have the Unified Command system.



So, it becomes relevant in the changing scenarios to have unified command in dealing with external threat as well.

We can see that external security threat emanating from our western and northern borders cannot be taken easily. Better co-operation among defence forces comes only when we have one person at the helm of affairs. Actually the system of command responsibility emanates from having unified structure and one chief of defence staff. It will also help the civilian bureaucracy in dealing with the defence forces professionally.



6. With the Golden Crescent and the Golden Triangle in India's neighbourhood, drug trafficking poses a great threat to India's security. Analyse. Examine the role of non-state actors in drug trafficking in India.

गोल्डन क्रीसेंट और गोल्डन ट्रायंगल के भारत के पड़ोस में स्थित होने से नशीले पदार्थों की तस्करी भारत की सुरक्षा के लिए बड़ा खतरा है। विश्लेषण कीजिए। भारत में नशीले पदार्थों की तस्करी में राज्येतर कर्ताओं की भूमिका की जांच करें।

Golden crescent on the western borders and Golden triangle on eastern borders are centres of drug trafficking. These countries include Pakistan, Afghanistan, Iran in the west and Myanmar, Thailand, Laos in the east.

Drug trade from these countries come to India through the porous borders which exist on both sides.

We can see the influence of drug trafficking on the youth of Punjab. In the past many years we have seen youth in Punjab have been indulged

into drug addiction supplied from across the border.

Drug trafficking has become an organised crime and it is a major source of income for the terrorist and insurgents. Even the north eastern part of India has also come under influence of drugs.

The security of the country is threatened by such activities as it not only disrupts the economic security in the region but also disillusions the youth to take up struggle against the state.

Non state actors including terrorist organisations, external agents are influencing and promoting drug trade in order to destabilize the country.





7. A multi-pronged conflict management and resolution strategy is necessary to deal with left wing extremism in India. In this context, examine the effectiveness of the surrender cum rehabilitation scheme for left wing extremists.

भारत में वामपंथी अतिवाद से निपटने के लिए बहुआयामी संघर्ष प्रबंधन और संकल्प रणनीति आवश्यक है। इस संदर्भ में, वामपंथी अतिवादियों हेतु आत्मसमर्पण-सह-पुनर्वास योजना की प्रभावशीलता की जांच करें।

Left wing extremism is not only a law and order problem; it is a political, social, economic and security problem for the country.

It should be noted here that there is grievance in some sections of society living in these areas where a sense of deprivation is leading to a situation where they are taking up arms against the state.

Here, we can see that most of the people in the Naxalite movement are poor tribals who have been disillusioned under influence of the left wing ~~extor~~ extremist

The government has failed in many sectors in the area.

- ① true democratic decentralization has not reached the people
- ② social indicators are very poor (HDI)
- ③ poor livelihood generation activities.
- ④ forest surrendery had led to sense of alienation among the tribal population
- ⑤ exploitation of rich mineral resource has led to feeling of injustice among them.

At the same time we have the left wing extremist leader who are ideologically supporting

the movement.

The surrender and <sup>for capturing</sup> rehabilitation policy of the <sup>extremist</sup> is in line with the multi pronged approach needed to deal with the situation.

The scheme has been fairly successful in weeding out large tribal population from Maoist influence. The policy is helpful in building trust between the government and the local tribals that they should not see the government as an threat to their existence.

The policy can have a ripple effect when other Maoist also see how it has been successful in rehabilitating the former cadres and providing them livelihood.



8. What are the reasons for under-representation of women in science in India? How does it affect the prospect of holistic development of the nation? Suggest some measures which should be taken to tackle the above problem.

भारत में विज्ञान के क्षेत्र में महिलाओं के कम प्रतिनिधित्व के क्या कारण हैं? यह कैसे राष्ट्र के समग्र विकास की संभावना को प्रभावित करता है? उपरोक्त समस्या से निपटने के लिए किये जाने वाले कुछ उपायों का सुझाव दीजिये।

*Reasons for under representation of women in science and technology sector in India.*

① patriarchal nature of society which has clearly defined the functions of women in society and country. Women are generally supposed to study arts, literature and commerce in India.

② Science sector in India requires lot of knowledge upgradation with time and continuous involvement over large period of time. Women don't devote so much time

so that they can participate in  
science sector

- ③ Marriage leads to break in  
career of those women pursuing  
science. Thus they get left out  
of the scientific manpower.

Women form half of the  
population of the country, so their  
under representation will affect the  
growth and development of the nation.

Their under representation also  
leads to loss of ideas and innovations  
which they could have brought to  
the development of science in the  
country. We can see the achievements  
of great women in the field of  
science like Marie Curie etc.

The government can  
promote and inculcate spirit of science

and scientific temper right from childhood. This can be done by developing science magnet schools where those students who have bent of mind in scientific arena can be kept collectively and taught science.

~~Then the creation of more livelihood opportunities in the~~

then creation of more job opportunities in the field of research and science and providing more flexibility to work can go long way to increase women participation in science field.



9. How do Regenerative Medicines work? Discuss the initiatives taken by the Government of India to develop this field. What are the ethical issues that arise in the use of regenerative medicines?

पुनर्योजी दवाएँ कैसे काम करती हैं? इस क्षेत्र को विकसित करने के लिए भारत सरकार द्वारा उठाए गए कदमों पर चर्चा करें। पुनर्योजी दवाओं के प्रयोग में उठने वाले नैतिक मुद्दे कौन से हैं?







10. With growing concerns w.r.t. global climate change and energy security, biofuels have been gaining popularity. What are the advantages of using biofuels? Discuss the implications of biofuel expansion on food security, social welfare and environment in the context of India.

वैश्विक जलवायु परिवर्तन और ऊर्जा सुरक्षा के संदर्भ में बढ़ती चिंताओं के साथ, जैव ईंधन लोकप्रिय होता जा रहा है। जैव ईंधन के उपयोग के क्या लाभ हैं? भारत के संदर्भ में खाद्य सुरक्षा, सामाजिक कल्याण और पर्यावरण पर जैव ईंधन के विस्तार के निहितार्थ पर चर्चा करें।

### Advantages of using biofuels.

- ① Biofuels are derived from biological <sup>see weeds</sup> sources like algae, plants like Kewraj, so they help to provide non-exhaustible source of energy.
- ② secondly, they cause much less pollution ~~can~~ as compared to other non-renewable sources of energy.
- ③ they are cost effective and affordable if we can develop & ~~reduce~~ <sup>cost</sup> their technology of processing into fuel..
- ④ Use of agricultural residue to generate biofuel

## Implication of Biofuel on food security

① Many countries in the world like Brazil are promoting biofuel especially through the sugarcane waste. Thus India can use the bagasse generated from sugarcane to produce biofuel. Thus it would be win-win solution.

② We can make use of wasteland in the country to sow plants like Kharraj in order to generate biofuel. This can save our precious fertile soil from being taken away from agriculture.

Thus by innovatively thinking we can protect food security and allow biofuel expansion.

Implication of biofuel on  
social welfare, environment.

↓

livelihood  
source for  
farmers  
growing  
biofuel crops  
and act  
as insurance  
during  
deficient monsoon

↓

- less pollution
- more ecofriendly
- helps to save the  
environmental cost  
of extracting  
conventional  
sources of  
energy
- example effect  
on marine  
bio diversity  
due to  
oil exploration,  
oil spill in  
gulf of mexico.



11. With reference to telecommunication, what are White Spaces? How can they be utilised to improve internet coverage? Also differentiate between White-Fi and Wi-Fi.

दूरसंचार के संदर्भ में, 'व्हाइट स्पेस' क्या हैं? कैसे उन्हें इंटरनेट कवरेज में सुधार करने के लिए उपयोग में लाया जा सकता सकता है? इसके अलावा व्हाइट-फाई और वाई-फाई के बीच अंतर बताइए।

White spaces → these are part of electro magnetic spectrum between 200 MHz to 800 MHz which actually falls in the Television band spectrum but they are left unutilized. so they are called blank spaces or white spaces.

They can be used to improve internet coverage as this band of spectrum will be used to deliver IT services to the consumer.

Microsoft has developed technology called White-Fi technology whereby it will utilize these white spaces to provide internet connectivity. India is mulling over the option to provide white spaces for its digital India program.

### ① White-Fi technology

works in lower range of 200 - 800 MHz while Wi-Fi technology works in higher range  $\rightarrow$  2400 MHz.

② Wi-Fi technology helps to provide local area network while White-Fi technology will be able to provide wide area network.





12. Graphene has been touted as the "miracle material" of the 21st century. Describe the structure and properties of graphene. Also list its potential applications. Discuss the challenges that are arising in the commercial use of graphene.

ग्राफीन को 21वीं सदी की 'चमत्कार सामग्री' के रूप में पेश किया गया है। ग्राफीन की संरचना और गुणों का वर्णन कीजिए। इसके अलावा इसके संभावित अनुप्रयोग बताइए। ग्राफीन के वाणिज्यिक उपयोग में आ रही चुनौतियों पर चर्चा करें।

### Structure of graphene →

- ① It is a single layered 2-D structure, which consist of one layer of graphite.
- ② It is hexagonal in shape
- ③ It is made up of carbon atoms.

### Properties of graphene

- ① good conductor of electricity
- ② good conductor of heat
- ③ high tensile strength
- ④ low specific density

## Applications of graphene

- ① Electronic industry → helpful  
in making circuits → this will  
enhance the speed of electronic  
devices
- ② Aerospace industry → for  
making light weight aircrafts
- ③ Defense industry → to make  
heat and fire resistant material
- ④ Manufacturing industry →  
specially industrial appliances

Challenges posed <sup>in</sup> by commercial use of  
graphene

- ① Cost of technology in fabrication  
of graphene





13. What do you understand by Big Data Analytics? Discuss the benefits and dangers posed by it with examples.

बिग डेटा (Big Data) विश्लेषिकी से आप क्या समझते हैं? उदाहरण के साथ, इसके द्वारा उत्पन्न लाभ और खतरों पर चर्चा करें।

Big data Analytics → it deals with huge number of data generated with respect to people of the country being part of digital space. It includes the unique identification no., passport no., bank account number, various license numbers like driving license, <sup>google search of individual, choices,</sup> These all data will be interlinked and stored in digital format.

The analysis of this data requires large operating system and processor. This is called the big data analytics. It is generally possessed by social media networks. The benefits of big data analytics include

- ① it will simplify the procedure

of identification and verification

- ② It will help to know a person's choice, liking, products he buys. Thus it can help the commercial giants to target user group for their products.
- ③ People will find it easier to search for the product they want to buy, the places they want to visit because all arenas of life will be purely customized

Danger

- ① Loss of privacy
- ② Can be misused by anti national elements, terrorist organisation etc





14. What are Unmanned Aerial Vehicles (UAVs)? Discuss the opportunities and challenges that have arisen with the private use of UAVs on the rise.

मानवरहित यान (UAV) क्या हैं? UAV के निजी उपयोग से उत्पन्न हुए अवसरों और चुनौतियों पर चर्चा करें।

UAV - Unmanned aerial vehicle are small dimensional flying objects which are remotely controlled by a ground station. They also have fitted cameras on them which help to give aerial picture of a place, area, location.

Example → 'Drones' used by US government during operation against the Al-Qaeda are UAV

Opportunities arising out of UAV

① Internal security — Anti Maoist operation  
— Insurgency

- ② Anti poaching operation →  
Govt. of M.P and Assam are  
trying to use it in Panna tiger  
reserve and Kaziranga National  
park
- ③ Traffic situation monitoring →  
Being used by Delhi police to  
monitor traffic situation
- ④ Use of UAV as toys for  
people's use.
- ⑤ Use of UAV in tourism  
industry.

### Challenges.

- ① possible misuse by anti national  
elements

② Can lead to spying by private individuals



15. "China's rising influence on India's periphery underlines the requirement for India to craft an independent and robust regional role in South Asia." Discuss the statement in the context of China's Maritime Silk Route initiative. Do you think India should participate in this initiative?

"भारत की सीमा पर चीन का बढ़ता प्रभाव भारत के लिए दक्षिण एशिया में एक स्वतंत्र तथा सशक्त क्षेत्रीय भूमिका के निर्माण की आवश्यकता को रेखांकित करता है।" चीन की "समुद्री रेशम मार्ग" संबंधी पहल के सन्दर्भ में इस कथन पर चर्चा करें। आपकी राय में क्या भारत को इस पहल का भागीदार बनना चाहिए?

① China's maritime silk route is part of its One road one belt venture. Although it is being promoted as means of connectivity, trade but it also has geostrategic implications

② India has stepped up its influence in Indian ocean by projects like

- (i) Sagar male
- (ii) Sipi route
- (iii) Regeneration of IOR ARE as IORA
- (iv) developing strategic relations

with countries like Mauritius,  
Seychelles, Sri Lanka.

(V) Developing our naval capability,  
especially

(i) purchase of Mauritius  
reconnaissance aircraft

(ii) INS Vikramaditya aircraft  
carrier

③ India trying to develop blue  
water economy in Indian ocean

④ India - Japan are forging  
strategic alliance in Indo-Pacific  
region and calling it "ocean of  
democracy"

⑤ India's Act first policy is in  
line with its 'geo strategic' interest.

India's participation in this initiative should be looked from its developmental needs and geo strategic and geopolitical imperatives. India has to be cautious of Chinese growing influence in Indian Ocean especially after it brought its submarine to port at in Sri Lanka.

India should be careful in its approach. As far as development is concerned India should co-operate in that aspect but should be wary of any militarization motives of China.



16. The delimitation of Indo-Bangladesh maritime boundary by Hague-based Permanent Court of Arbitration (PCA) has wide economic and strategic implications, not only for India and Bangladesh but for the entire Bay of Bengal region. Discuss.

हेग स्थित स्थायी मध्यस्थता न्यायालय (पी.सी.ए.) द्वारा भारत-बांग्लादेश समुद्री सीमा के परिसीमन के व्यापक आर्थिक तथा रणनीतिक निहितार्थ हैं, न केवल भारत तथा बांग्लादेश के लिए बल्कि सम्पूर्ण बंगाल की खाड़ी क्षेत्र के लिए। चर्चा करें।







17. Initiatives such as NDB and AIIB represent not only an assertion of rising powers vis. a vis. the existing institutions dominated by the West, but also underline the requirement of diversifying investment sources for the developing world in arenas such as infrastructure. Discuss.

एन.डी.बी. तथा ए.आई.आई.बी. जैसी पहल न केवल पश्चिम के प्रभाव वाली वर्तमान संस्थाओं की तुलना में उभरती हुई शक्तियों के प्रभाव को प्रस्तुत करती हैं बल्कि विकासशील जगत हेतु अवसंरचना जैसे कार्यक्षेत्र में विविधतापूर्ण निवेश स्रोतों की आवश्यकता को भी रेखांकित करती हैं। चर्चा करें।

Initiatives like NDB and AIIB are definitely taken by countries who want to establish an alternative to the financial architecture promoted by the Bretton Woods institutions.

NDB → promoted by BRICS  
(New Development Bank)

AIIB → promoted by China with  
(Asian Investment and Infrastructure Bank)  
many countries from  
Asia, Europe

Example - India, South Korea,  
Australia, France etc

It was found by the developing countries specially China & India that.

- (i) IMF and World Bank have discriminatory quota system which give western countries undue influence over world financial architecture.
- (ii) Reluctance on part of developing and emerging countries to accept such discrimination.
- (iii) Absence of any credible quota reforms in IMF and World Bank.
- (iv) Infrastructure needs of ~~Indo~~ developing countries in Asia.

- (V) it shows towards reducing  
US hegemony and rising  
multipolarity in world affairs
- (vi) shift of power towards Asia.
- (vii) Infrastructure needs for countries  
like India - \$ 1 trillion dollars.  
needed diverse sources.
- (viii) favourable terms of loan of  
these organisation (NDB) & (AIIB).
- ↓
- IMF - highest  
quote  
USA
- ADB - highest quota - USA
- highest  
quote  
China



18. India has decided to go ahead with the proposed Bangladesh-Bhutan-India-Nepal transport corridor. Discuss its implications for the South Asian region.

भारत ने प्रस्तावित बांग्लादेश-भूटान-भारत-नेपाल परिवहन गलियारे पर आगे बढ़ने का निश्चय किया है। दक्षिण एशियाई क्षेत्र के लिए इसके निहितार्थों पर चर्चा करें।

① The failure of SAARC to come up  
with substantial progress has led to  
emergence of sub-regional forums,  
like BBIN → Bangladesh Bhutan  
India Nepal.

② These 4 countries signed a motor  
vehicle agreement to boost  
connectivity in the sub region.

③ This step is a right direction  
in the process of economic  
and trade integration of the  
region.

As per World Bank report,  
South Asia is least integrated

region. So BBIN helps to  
give a good impetus to the  
process.

- ③ There is lot of untapped growth  
potential in South Asia which will  
be realised by this economic and  
trade integration.
- ④ This agreement can further be  
extended to promote electricity  
co-operation among countries from  
surplus to deficit.
- ⑤ This can also force the over  
western neighbour to be less  
paranoid and focus on win-win  
situation like trade, people-to-  
people contact.
- ⑥ Many more sub regional co-operation  
exist and are successful like India,

Sri Lanka, Maldives maritime exercise.

- ⑦ Another sub regional economic co-operation in South Asia being promoted is BCIM (Bangladesh China India Myanmar)
- ⑧ Thus sub-regional co-operation is becoming successful if not regional co-operation



19. Discuss the strategic, political and economic mplications of India's membership to the SCO.

भारत की शंघाई सहयोग संगठन (SCO) में सदस्यता के रणनीतिक, राजनीतिक और आर्थिक निहितार्थों की चर्चा करें।

① India's membership of SCO has great significance from political, strategic and economic perspective.

② Politically →

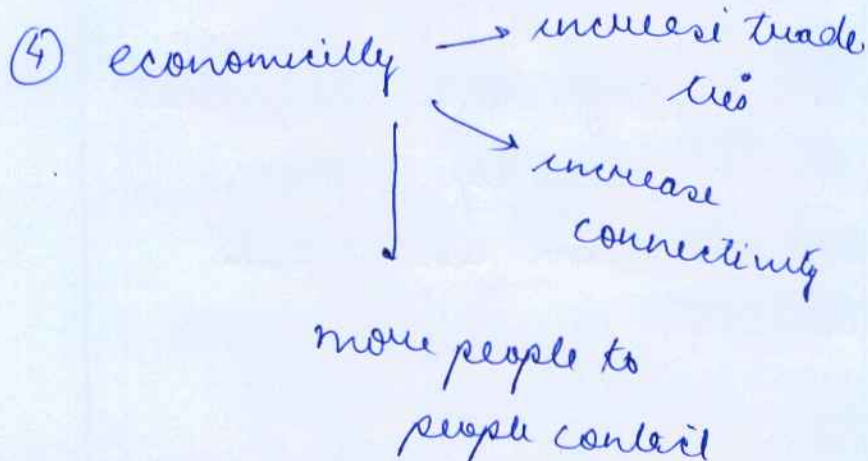
(i) It will raise India's profile in Asia and world

(ii) It can enhance India's chances of UNSC membership

(iii) It will forge closer integration of Asia especially India's relations with Central Asian countries

### ③ Strategically

- (i) Anti-terror cooperation will be strengthened
- (ii) SCO can be used as means to propagate India's interest in South Asia and interest in Afghanistan.
- (iii) I.E will give India's emergence in Central Asia and Afghanistan.







20. West Asia is a key region for India on multiple counts. Has the region being accorded the importance that it deserves in recent times? Have bilateral engagements such as ones with Israel and Iran come at the cost of waning influence of India in the larger West Asian region?

कई प्रकरणों में पश्चिम एशिया भारत के लिए एक महत्वपूर्ण क्षेत्र है। क्या वर्तमान समय में इस क्षेत्र को वह महत्व प्रदान किया जा रहा है जिसका यह अधिकारी है? क्या इजरायल तथा ईरान के साथ द्विपक्षीय सम्बन्ध बढ़े पश्चिम एशियाई क्षेत्र में भारत के घटते हुए प्रभाव की कीमत पर बनाये गए हैं?

① West Asia has not been given that importance in India's foreign policy although it is important from the point of view of

- ① oil resource - energy security
- ② diaspora
- ③ Remittances
- ④ sea lines of communication to Europe

② India has followed a policy of maintaining safe distance

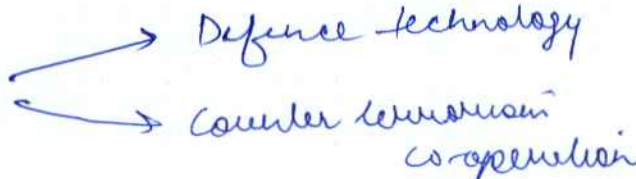
from west Asia by talking about

(i) peaceful resolution of disputes  
in west Asia

(ii) non-interference of external  
forces in West Asia

③ But if India wants to protect its  
long term interest and aspires  
for UNSC permanent seat it  
has to play objective and  
decisive role. It cannot  
show obliqueness to concerns  
in West Asia.

④ India's ties with Israel and  
Iran are both in national  
interest

Israel 



- ⑤ Although bilateral ties are necessary but focussing on West Asia as region is necessary in order to raise its diplomatic profile.